

## EAST Search History

| Ref # | Hits  | Search Query  | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|--------------------|------------------|---------|------------------|
| L1    | 62587 | (spin adj bulb or spin adj bubble or ((read\$3 or reproduc\$3) near2 (element or device\$1)) or mr or DOMR or mre or magneto adj2 (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj2 (resistiv\$3 or resistance\$1) or SVMR or TuMR\$1 or CMR\$1 or GMR\$1 or spin adj2 valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tmr\$1 or mram\$1 or magnetic adj2 memor\$3 or magnetic adj random adj access adj memor\$3 or DSV or TJM or MTJ or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)).ti,ab,clm. or "360/113" or 360/313-327.33.ccls. or 338/32\$2.ccls. or 324/207.21. ccls. or 324/252.ccls. or 365/171. ccls. or 365/173.ccls. or 428/811-811.5.ccls. or 148/108. ccls. | US-PGPUB;<br>USPAT | ADJ              | OFF     | 2006/12/04 15:04 |
| L2    | 970   | ((guide\$1 or lead\$1 or electrode\$1) near4 (grind\$4 or lap\$5)).clm.   | US-PGPUB;<br>USPAT | ADJ              | OFF     | 2006/12/04 15:06 |
| L3    | 61    | 1 and 2   | US-PGPUB;<br>USPAT | ADJ              | OFF     | 2006/12/04 15:06 |